

Figure 1-A

>g2804590	CCTGCCTGCA	CCCGCT:CAC	CCTGAGCGCC	TTGGGGTGTT	GGGAGGCGCT
>g2804590				GGAGGC	TGCAGACTGT
>2682428	CCTGCCTGCA	CCCGCT:CAC	CCTGANCGCC	TTGGGGTGTT	GGGAGGCGCT
>2682469	CCTGCCTGCA	CCCGCTTCAC	CCTGAGCGCC	TTGGGGTGTT	GGGANGCGCT
>3359342				GGAGGC	TGCAGACTGT
>1736231					TGCAGACTGT
>1734520					TGCAGACTGT
Consensus	CCTGCCTGCA	CCCGCT:CAC	CCTGAGCGCC	TTGGGGTGTT	TGCAGACTGT
>g2804590	GGAATCCCCA	CTGTGCAG			
>g2804590	GGAGCCGGGA	GCCGGCAG			
>g2804590		CAGTA	AGCCCAGAGG	TCTCCACCCC	A:CGGGAGGA
>2682428	GGAATCCCCA	CTGTGCAGTA	AGCCCAGATG	TCTCCANNCC	AACGGTAGGA
>2682469	GGAATCCCCA	CTGTGCAGTA	AGCCCAGAGG	TCTCCACCCC	A:CGGGATGA
>3359342	GGAGCCGGGA	GCCGGCAGTA	AGCCCAGAGG	TCTCCACCCC	A:CGGGAGGA
>1736231	GGAGCCGGGA	GCCGGCAGTA	AGCCCAGAGG	TCTCCACCCC	A:CGGGAGGA
>1734520	GGAGCCGGGA	GCCGGCAGTA	AGCCCAGAGG	TCTCCACCCC	A:CGGGAGGA
Consensus	GGAGCCGGGA	GCCGGCAGTA	AGCCCAGAGG	TCTCCACCCC	A:CGGGAGGA
>g2804590	AGGCTGAGGC	CAAGACCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
>2682428	AGGCTGATGC	CAAGACCCCG	GAAGAGATGG	ANCGCGTGAC	CAGATACCC:
>2682469	AGGCTGAGGC	CAAGACCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
>3359342	AGGCTGAGGC	CAAGACCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
>1736231	AGGCTGAGGC	CAAGACCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
>1734520	AGGCTGAGGC	CAAGACCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
>2596108		CCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
Consensus	AGGCTGAGGC	CAAGACCCCG	GAAGAGATGG	ACCGCGTGAC	CAGATACCCC
>g2804590	ATCCTGGGCA	TCCCTCAGGC	ACACCGTGG:	CACCGGCCCTG	GTGCTGGATG
>2682428	ATCCTGNGCA	TCCCTCAGGC	ACACCGTGG:	CACCGGCCCTG	GTGCTGGATG
>2682469	ATCCTGGGCA	TCCCTCAGGC	ACACCGTGGG	CACCGGCCCTG	GTGCTNGATG
>3359342	ATCCTGGGCA	TCCCTCAGGC	ACACCGTGG:	CACCGGT	
>1736231	ATCCTGGGC				
>1734520	ATCCTGGGCA	TCCCTCAGGC	ACACCGTGG:	CACCGGCCCTG	GTGCTGGATG
>2596108	ATCCTGGGCA	TCCCTCAGGC	ACACCGTGG:	CACCGGCCCTG	GTGCTGGATG
Consensus	ATCCTGGGCA	TCCCTCAGGC	ACACCGTGG:	CACCGGCCCTG	GTGCTGGATG
>g2804590	GAGACACCAG	CTACACATAC	CATCTGGTGT	GCATGGGCCC	CGAGGCCAGC
>2682428	GAGACACCAG	CTACACATAC	CATCTGGTGT	GCATGGGCCC	CGAAGCCAGC
>2682469	GAGACACNAG	TTNCACATAC	CATCTGGTGT	GCATGGGCCC	CGANGC:AGC
>1734520	GAGACACCAG	CTACACATAC	CATCTGGTGT	GCATGGGCCC	CGAGGCCAGC
>2596108	GAGACACCAG	CTACACATAC	CATCTGGTGT	GCATGGGCCC	CGAGGCCAGC
>3388863					TAGGGCCAGC
Consensus	GAGACACCAG	CTACACATAC	CATCTGGTGT	GCATGGGCCC	CGAGGCCAGC
>g2804590	GGCTGGGGCC	AGGATGAGCC	GCAGACATGG	CCCACTGACC	ACAGGGCCCCA
>2682428	GGCTGGNGCC	ANGATGAGCC	GCA:ACATGG	CC:ACT	
>2682469	GG:TGGGGC:	AGGATGAGCC	GCAGACATGG	CC:ACTGACC	NAAGGCCAT
>1734520	GG:TGGGGCC	AGGATG			
>2596108	GGCTGGGGCC	AGGATGAGCC	GCAGACATGG	CCCACTGACC	ACAGGGCCCCA
>3388863	GGCTGGGGCC	AGGATGAGCC	GCAGACATGG	CCCACTGACC	ACAGGGCCCCA
Consensus	GGCTGGGGCC	AGGATGAGCC	GCAGACATGG	CCCACTGACC	ACAGGGCCCCA

Figure 1-B

>g2804590	GCAGGGCGTG	CAGAGGCAGG	GGGTGTCCTA	CAGCGTGCAT	GCCTACACTG
>2596108	GCAGGGCGTG	CAGAGGCAGG	GGGTGTCCTA	CAGCGTGCAT	GCCTACACTG
>3388863	GCAGGGCGTG	CAGAGGCAGG	GGGTGTCCTA	CAGCGTGCAT	GCCTACACTG
Consensus	GCAGGGCGTG	CAGAGGCAGG	GGGTGTCCTA	CAGCGTGCAT	GCCTACACTG
>g2804590	GCCAGCCGTC	CCCACGGGGG	CTCCACTCGG	AGAACAGGGA	GGATGAGGGT
>2596108	GCCAGCCGTC	CCCACGGGGG	CTC		
>3388863	GCCAGCCGTC	CCCACGGGGG	CTCCACTCGG	AGAACAGGGA	GGATGAGGGT
Consensus	GCCAGCCGTC	CCCACGGGGG	CTCCACTCGG	AGAACAGGGA	GGATGAGGGT
>g2804590	TGGCAGGTTT	ACCGCCTGGG	CGCCAGGGAT	GCCCACCAGG	GACGTCCAAC
>3388863	TGGCAGGTTT	ACCGCCTGGG	CGCCAGGGAT	GCCCACCAGG	GACGTCCAAC
Consensus	TGGCAGGTTT	ACCGCCTGGG	CGCCAGGGAT	GCCCACCAGG	GACGTCCAAC
>g2804590	ATGGGCACTC	CGCCCAGAGG	ACGGGGAGGA	CAAGGAGATG	AAGACCTACC
>3388863	ATGGGCACTC	CGCCCAGAGG	ACGGGGAGGA	CAAGGAGATG	AAGACCTACC
<g2322685		GCCCAGAGG	ACGGGGAGGA	CAAGGAGATG	AAGACCTACC
Consensus	ATGGGCACTC	CGCCCAGAGG	ACGGGGAGGA	CAAGGAGATG	AAGACCTACC
>g2804590	GCCTGGATGC	TGGGGACGCT	GACCCCAGGA	GGCTGTGTGA	CCTGGAGCGG
>3388863	GCCTGGATGC	TGGGGACGCT	GACCCCAGGA	GGCTGTGTGA	C : TGGAG
<g2322685	GCCTGGATGC	TGGGGACGCT	GACCCCAGGA	GGCTGTGTGA	CCTGGAGCGG
Consensus	GCCTGGATGC	TGGGGACGCT	GACCCCAGGA	GGCTGTGTGA	CCTGGAGCGG
>g2804590	GAGCGCTGGG	CCGTCATCCA	GGGCCAGGCA	GTCAGGAAGA	GCAGCACCGT
<g2322685	GAGCGCTGGG	CCGTCATCCA	GGGCCAGGCA	GTCAGGAAGA	GCAGCACCGT
Consensus	GAGCGCTGGG	CCGTCATCCA	GGGCCAGGCA	GTCAGGAAGA	GCAGCACCGT
>g2804590	GGCCACGCTC	CAGGGCACTC	CTGACCACGG	AGACCCCAGG	ACCCCCGGCC
<g2322685	GGCCACGCTC	CAGGGCACTC	CTGACCACGG	AGACCCCAGG	ACCCCCGGCC
Consensus	GGCCACGCTC	CAGGGCACTC	CTGACCACGG	AGACCCCAGG	ACCCCCGGCC
>g2804590	CACCTCGGTC	CACGCCCCCTG	GAGGAGAACG	TGGTTGACAG	GGAGCAGATT
<g2322685	CACCTCGGTC	CACGCCCCCTG	GAGGAGAACG	TGGTTGACAG	GGAGCAGATT
Consensus	CACCTCGGTC	CACGCCCCCTG	GAGGAGAACG	TGGTTGACAG	GGAGCAGATT
>g2804590	GACTTCCTGG	CAGCGAGACA	GCAGTTCCTG	AGTCTGGAGC	AGGCGAACAA
<g2322685	GACTTCCTGG	CAGCGAGACA	GC		
>3988413				GGAGC	AGGCGAACAA
Consensus	GACTTCCTGG	CAGCGAGACA	GCAGTTCCTG	AGTCTGGAGC	AGGCGAACAA
>g2804590	GGGGGCCCCCT	CATAGCTCCC	CGGCCAGGGG	GACCCCTGCA	GGCACAACCC
>3988413	GGGGGCCCCCT	CATAGCTCCC	CGGCCNGGG	GACCCCTGCA	GGCACAACCC
Consensus	GGGGGCCCCCT	CATAGCTCCC	CGGCCAGGGG	GACCCCTGCA	GGCACAACCC
>g2804590	CAGGGGCCAG	CCAGGCCCCC	AAGGCCTTCA	ACAAGCCCCA	CCTGGCCAAC
>3988413	CAGGGGCCAG	CCAGGCCCCC	AAGGCCTTCA	ACAAGCCCCA	CCTGGCCAAC
Consensus	CAGGGGCCAG	CCAGGCCCCC	AAGGCCTTCA	ACAAGCCCCA	CCTGGCCAAC
>g2804590	GGGCACGTGG	TTCCCATCAA	GCCCCAGGTG	AAGGGGGTGG	TCAGGGAAGA
>3988413	GGGCACGTGG	TTCCCATCAA	GCCCCAGGTG	AAGGGGGTGG	TCAGGGAAGA
Consensus	GGGCACGTGG	TTCCCATCAA	GCCCCAGGTG	AAGGGGGTGG	TCAGGGAAGA

Figure 1-C

>g2804590	GAACAAGGTG	CGTGCTGTGC	CCACCTGGGC	CAGTGTCCAA	GTTGTGGATG
>3988413	GAACAAGGTG	CGTGCTGTGC	CCACCTGGGC	CAGTGTCCAA	GTTGTGGATG
Consensus	GAACAAGGTG	CGTGCTGTGC	CCACCTGGGC	CAGTGTCCAA	GTTGTGGATG
>g2804590	ACCCTGGCTC	CTTGGCCTCA	GTGGAGTCCC	CGGGGACCCC	CAAGGAGACG
>3988413	ACCCTGGCTC	CTTGGCCTCA	GTGGAGTCCC	CGGGGACCCC	CAAGGAGACG
Consensus	ACCCTGGCTC	CTTGGCCTCA	GTGGAGTCCC	CGGGGACCCC	CAAGGAGACG
>g2804590	CCCATCGAGC	GGGAGATCCG	TCTGGCTCAG	GAGCGTGAGG	CAGACCTGCG
>3988413	CCCATCGAGC	GGGAGATCCG	TCTGGCTCAG		
Consensus	CCCATCGAGC	GGGAGATCCG	TCTGGCTCAG	GAGCGTGAGG	CAGACCTGCG
>g2804590	AGAGCAGAGG	GGGCTTCGGC	AGGCAACCGA	CCACCAGGAG	CTGGTGAAAA
Consensus	AGAGCAGAGG	GGGCTTCGGC	AGGCAACCGA	CCACCAGGAG	CTGGTGAAAA
>g2804590	TCCCCACCAG	GCCGCTGCTG	ACCAAGCTGA	GCCTGATCAC	AGCCCCACGG
Consensus	TCCCCACCAG	GCCGCTGCTG	ACCAAGCTGA	GCCTGATCAC	AGCCCCACGG
>g2804590	CGGGAGAGAG	GGCGCCCGTC	CCTCTACGTG	CAGCGG:GAC	ATAGTACAGG
>3615515				TG CAGCGGNGAC	ATAGTACAGG
Consensus	CGGGAGAGAG	GGCGCCCGTC	CCTCTACGTG	CAGCGGNGAC	ATAGTACAGG
>g2804590	AGACACAGCG	TGAGGAAGAC	CACCGGCGGG	AGGGCCTGCA	CGTGGGCCGG
>3615515	AGACACAGCG	TGAGGAAGAC	CACCGGCGGG	AGGGCCTGCA	CGTGGGCCGG
Consensus	AGACACAGCG	TGAGGAAGAC	CACCGGCGGG	AGGGCCTGCA	CGTGGGCCGG
>g2804590	GCGTCCACAC	CCGACTGGGT	CTCGGAGGGT	CCCCAGCCCG	GACTCCGGAG
>3615515	GCGTCCACAC	CCGACTGGGT	CTCGGAGGGT	CCCCAGCCCG	GACTCCGGAG
Consensus	GCGTCCACAC	CCGACTGGGT	CTCGGAGGGT	CCCCAGCCCG	GACTCCGGAG
>g2804590	AGCCCTCAGC	TCAGATTCCA	TCCTCAGCCC	GGCCCCAGAT	GCCCCGTGCGG
>3615515	AGCCCTCAGC	TCAGATTCCA	TCCTCAGCCC	GGCCCCAGAT	GCCCCGTGCGG
Consensus	AGCCCTCAGC	TCAGATTCCA	TCCTCAGCCC	GGCCCCAGAT	GCCCCGTGCGG
>g2804590	CCGACCCAGC	TCCAGAAGTG	AGGAAGGTGA	ACCGCATCCC	ACCTGATGCC
>3615515	CCGACCCAGC	TCCAGAAGTG	AGGAAGGTGA	ACCGCATCCC	ACCTGATGCC
>2055371					CTGATGCC
>2055371IH					TGATGCC
Consensus	CCGACCCAGC	TCCAGAAGTG	AGGAAGGTGA	ACCGCATCCC	ACCTGATGCC
>g2804590	TACCAGCCGT	ACCTGAGCCC	CGGGACCCCC	CAGCTAGAAT	TCTCAGCCTT
>3615515	TACCAGCCGT	ACCTGAGCCC	CGGGACCCCC	CAGCTAGNAT	TCTCAGC:TT
>2055371	TACCAGCCGT	ACCTGAGCCC	CGGGACCCCC	CAGCTAGAAT	TCTCAGCCTT
>2055371III	TACCAGCCGT	ACCTGAGCCC	CGGGACCCCC	CAGCTAGAAT	TCTCAGCCTT
Consensus	TACCAGCCGT	ACCTGAGCCC	CGGGACCCCC	CAGCTAGAAT	TCTCAGCCTT
>g2804590	CGGAGCATTC	GGCAAGCCCA	GCAGTCTCTC	CACAGCGGAG	G:CCAAGGCT
>3615515	CGGAGCATTC	GGCAAGCCCA	G		
>2055371	CGGAGCATTC	GGCAAGCCCA	GCAGTCTCTC	NACAGCGGAG	GANCAAGGCT
>2055371IH	CGGAGCATTC	GGCAAGCCCA	GCAGTCTCTC	CACAGCGGAG	G:CCAAGGCT
>1431231			CTCTC	CACAGCGGAG	G:CCAAGGCT
Consensus	CGGAGCATTC	GGCAAGCCCA	GCAGTCTCTC	CACAGCGGAG	G:CCAAGGCT

Figure 1-D

>g2804590	GCGACTTCAC	CAAAGGCCAC	GATGTCCCCG	AGGCATCTCT	CAGAATCCTC
>2055371	GCGACTTCAC	CAAAGGCCAC	GATGTCCCCG	AGGCATCTCT	CAGAATCCTC
>2055371IH	GCGACTTCAC	CAAAGGCCAC	GATGTCCCCG	AGGCATCTCT	CAGAATCCTC
>1431231	GCGACTTCAC	CAAAGGCCAC	GATGTCCCCG	AGGCATCTCT	CAGAATCCTC
Consensus	GCGACTTCAC	CAAAGGCCAC	GATGTCCCCG	AGGCATCTCT	CAGAATCCTC
>g2804590	TGGA AAAACCC	CTGAGCACAA	AGCAAGAGGC	ATCGAAGCCC	CCTCGGGGAT
>2055371	TGGA AAAACCC	CTGAGCACAA	AGCAAGAGGC	ATCGAAGCCC	CCTCGGGGAT
>2055371IH	TGGA AAAACCC	CTGAGCACAA	AGCAAGAGGC	ATCGAAGCCC	CCTCGGGGAT
>1431231	TGGA AAAACCC	CTGAGCACAA	AGCAAGAGGC	ATCGAAGCCC	CCTCGGGGAT
>3253860					CGGGGAT
Consensus	TGGA AAAACCC	CTGAGCACAA	AGCAAGAGGC	ATCGAAGCCC	CCTCGGGGAT
>g2804590	GCCCGCAAGC	CAACAGGGGT	GTCGTGCGGT	GGGAGTACTT	CCGCCTGCGT
>2055371	GCCCGCAAGC	CAACAGGG			
>2055371IH	GCCCGCAAGC	CAACAGGGGT	GTCGTGCGGT	GGGAGTACTT	CCGCCTGCGT
>1431231	GCCCGCAAGC	CAACAGGGGT	GTCGTGCGGT	GGGAGTACTT	CCGCCTGCGT
>3253860	GCCCGCAAGC	CAACAGGGGT	GTCGTGCGGT	GGGAGTACTT	CCGCCTGCGT
Consensus	GCCCGCAAGC	CAACAGGGGT	GTCGTGCGGT	GGGAGTACTT	CCGCCTGCGT
>g2804590	CCTCTGCGGT	TCAGGGCCCC	AGACGAGCCC	CAGCAGGCCC	AAGTCCCCCA
>2055371IH	CCTCTGCGGT	TCAGGGCCCC	AGACGAGCCC	CAGCAGGCCC	AAGTCCCCCA
>1431231	CCTCTGCGGT	TCAGGGCCCC	AGACGAGCCC	CA	
>3253860	CCTCTGCGGT	TCAGGGCCCC	AGACGANCCC	CAGCAGGCCC	AAGTCCCCCA
Consensus	CCTCTGCGGT	TCAGGGCCCC	AGACGAGCCC	CAGCAGGCCC	AAGTCCCCCA
>g2804590	TGTCTGGGGC	TGGGAGGTGG	CTGGGGCCCC	TGCACTGAGG	CTGCAGAAGT
>2055371IH	TGTCTGGGGC	TGGGAGGTGG	CTGGGGCCCC	TGCACTGAGG	CTGCAGAAGT
>3253860	TGTCTGGGGC	TGGGAGGTGG	CTGGGGCCCC	TGCACTGAGG	CTGCAGAAGT
>1753756		GGAGGTGG	CTGGGGCCCC	NGCACTGAGG	CTGCAGAAGT
Consensus	TGTCTGGGGC	TGGGAGGTGG	CTGGGGCCCC	TGCACTGAGG	CTGCAGAAGT
>g2804590	CCCAGTCATC	TGATCTGCTG	GAAAGGGAGA	GGGAGAGTGT	CCTGCGCCGG
>2055371IH	CCCAGTCATC	TGATCTGCTG	GAAAGGGAGA	GGGAGAGTGT	CCTGCGCCGG
>3253860	CCCAGTCATC	TGATCTGCTG	GAAAGGGAGA	GGGAGAGTGT	CCTGCGCCGG
>1753756	CCCAGTCATC	TGATCTGCTG	GAAAGGGAGA	GGGAGAGTGT	CCTGCGCCGG
Consensus	CCCAGTCATC	TGATCTGCTG	GAAAGGGAGA	GGGAGAGTGT	CCTGCGCCGG
>g2804590	GAGCAAGAGG	TGGCAGAGGA	GCGGAGAAAT	GCTCTCTTCC	CAGAGGTCTT
>2055371IH	GAGCAAGAGG	TGGCAGAGGA	GCGGAGAAAT	GCTCTCTTCC	CAGAGGTCTT
>3253860	GAGCAAGAGG	TGGCAGAGGA	GCGGAGAAAT	GCTCTCTTCC	CAGAGGTCTT
>1753756	GAGCAAGAGG	TGGCAGAGGA	GCGGAGAAAT	GCTCTCTTCC	CAGAGGTCTT
Consensus	GAGCAAGAGG	TGGCAGAGGA	GCGGAGAAAT	GCTCTCTTCC	CAGAGGTCTT
>g2804590	CTCCCCAACG	CCAGATGAGA	ACTCTGACCA	GAACTCCAGG	AGCTCCTCCC
>2055371IH	CTCCCCAACG	CCAGATGAGA	ACTCTGACCA	GAACTCCAGG	AGCTCCTCCC
>3253860	C				
>1753756	CTCCCCAACG	CCAGATGAGA	ACTCTGACCA	GAACTCCAGG	AGCTCCTCCC
Consensus	CTCCCCAACG	CCAGATGAGA	ACTCTGACCA	GAACTCCAGG	AGCTCCTCCC

Figure 1-E

>g2804590	AGGCATCCGG				
>g2804590	GG	CATCACGGGC	AGTTACTCGG	TGTCTGAGTC	TCCCTTCTTC
>2055371IH	AGGCATCCGG	CATCACGGGC	AGTTACTCGG	TGTCTGAGTC	TCCCTTCTTC
>1753756	AGGCATCCGG	CATCACGGGC	AGTTA:TCGG	TGTCTGAGTC	TCCCTT
>1887713				C	TCCCTTCTTC
Consensus	AGGCATCCGG	CATCACGGGC	AGTTACTCGG	TGTCTGAGTC	TCCCTTCTTC
>g2804590	AGCCCCATCC	ACCTACACTC	AAACGTGGCG	TGGACAGTGG	AAGATCCAGT
>2055371IH	AGCCCCATCC	ACCTACACTC	AAACGTGGCG	TGGACAGTGG	AAGATCCAGT
>1887713	AGCCCCATCC	ACCTACACTC	AAACGTGGCG	TGGACAGTGG	AAGATCCAGT
Consensus	AGCCCCATCC	ACCTACACTC	AAACGTGGCG	TGGACAGTGG	AAGATCCAGT
>g2804590	GGACAGTGCT	CCTCCCGGGC	AGAGAAAGAA	GGAGCAATGG	
>g2804590				G	TACGCTGGCA
>2055371IH	GGACAGTGCT	CCTCCCGGGC	AGAGAAAGAA	GGAGCAATGG	TACGCTGGCA
>1887713	GGACAGTGCT	CCTCCCGGGC	AGAGAAAGAA	GGAGCAATGG	TACGCTGGCA
Consensus	GGACAGTGCT	CCTCCCGGGC	AGAGAAAGAA	GGAGCAATGG	TACGCTGGCA
>g2804590	TCAACCCCTC	GGACGGTATC	AACTCAGAGG	T	
>g2804590			AGG	TCCTGGAAGC	CATACGGGTG
>2055371IH	TCAACCCCTC	GGACGGTATC	AACTCAGAGG	TCCTGGAAGC	CATACGGGTG
>1887713	TCAACCCCTC	GGACGGTATC	AACTCAGAGG	TCCTGGAAGC	CATACGGGTG
Consensus	TCAACCCCTC	GGACGGTATC	AACTCAGAGG	TCCTGGAAGC	CATACGGGTG
>g2804590	ACCCGTCACA	AGAACGCCAT	GGCAGAGCGC	TGGGAATCCC	GCATCTACGC
>2055371IH	ACCCGTCACA	AGAACGCCAT	GGCAGAGCGC	TGGGAATCCC	GCATCTACGC
>1887713	ACCCGTCACA	AGAACGCCAT	GGCAGAGCGC	TGGGAATCCC	GCATCTACGC
>1803052			C	TGGGAATCCC	GCATCTACGC
Consensus	ACCCGTCACA	AGAACGCCAT	GGCAGAGCGC	TGGGAATCCC	GCATCTACGC
>g2804590	CAGTGAGGAG	GATGACTGAG	CCTCGGGATG	GGGCGCCAC	CCCCTGCCCT
>2055371IH	CAGTGAGGAG	GATGACTGAG	CCTCGGGATG	GGGCGCCAC	CCCCTGCCCT
>1887713	CAGTGAGGAG	GATGACTGAG	CCTCGGGATG	GGGCGCCAC	CCCCTGCCCT
>1803052	CAGTGAGGAG	GATGACTGAG	CCTCGGGATG	GGGCNCCAC	CCCCTGCCCT
Consensus	CAGTGAGGAG	GATGACTGAG	CCTCGGGATG	GGGCGCCAC	CCCCTGCCCT
>g2804590	GCCCTGACCC	TCGTGGGAAC	TGCCAAGACC	ATCGCCAAGC	CCCCACCCTA
>2055371IH	GCCCTGACCC	TCGTGGGAAC	TGCCAAGACC	ATCGCCAAGC	CCCCACCCTA
>1887713	GCCCTGACCC	TCGTGG			
>1803052	GCCCTGACCC	TCGTGGGAAC	TGCCAAGACC	ATCGCCAAGC	CCCCACCCTA
Consensus	GCCCTGACCC	TCGTGGGAAC	TGCCAAGACC	ATCGCCAAGC	CCCCACCCTA
>g2804590	GGAAATGGGT	CCTAGGTCCA	GGATCCAAGA	ACCACAGCTC	ATCTGCCAAC
>2055371IH	GGAAATGGGT	CCTAGGTCCA	GGATCCAAGA	ACCACAGCTC	ATCTGCCAAC
>1803052	GGAAATGGGT	CCTAGGTCCA	GGATCCAAGA	ACCACAGCTC	ATCTGCCAAC
Consensus	GGAAATGGGT	CCTAGGTCCA	GGATCCAAGA	ACCACAGCTC	ATCTGCCAAC
>g2804590	AATCCCACCA	TGGGCACATT	TGGGACTGTT	GGGTTTTTCG	TTTCCGTTTC
>2055371IH	AATCCCACCA	TGGGCACATT	TGGGACTGTT	GGGTTTTTCG	TTTCCGTTTC
>1803052	AATCCCACCA	TGGGCACATT	TGGGACTGTT	GGGTTTTTCG	TTTCCGTTTC
Consensus	AATCCCACCA	TGGGCACATT	TGGGACTGTT	GGGTTTTTCG	TTTCCGTTTC

Figure 1-F

>g2804590	TATCTTCCTT	TAGAAATGTT	TCTGCCTTTG	GGGTCTAAAG	CTTTTGGGGA
>2055371IH	TATCTTCCTT	TAGAAATGTT	TCTGCCTTTG	GGGTCTAAAG	CTTTTGGGGA
>1803052	TATCTTCCTT	TAGAAATGTT	TCTGCCTTTG	GGGTCTAAAG	CTTTTGGGGA
>889029				G	CTTTTGGGGA
Consensus	TATCTTCCTT	TAGAAATGTT	TCTGCCTTTG	GGGTCTAAAG	CTTTTGGGGA
>g2804590	TGAAATGGGA	CCCCTGCTGA	TTCTTTCTGC	TTCTAAGACT	TTGCCAAATG
>2055371IH	TGAAATGGGA	CCCCTGCTGA	TTCTTTCTGC	TTCTAAGACT	TTGCCAAATG
>1803052	TGAAATGGGA	CCC			
>889029	TGAAATGGGA	CCCCTGCTGA	TTCTTTCTGC	TTCTAAGACT	TTGCCAAATG
Consensus	TGAAATGGGA	CCCCTGCTGA	TTCTTTCTGC	TTCTAAGACT	TTGCCAAATG
>g2804590	CCCTGGGTCT	AAGAAAGAAA	GAGACCCGCT	CCTCCACTTT	CAGGTGTAAT
>2055371IH	CCCTGGGTCT	AAGAAAGAAA	GAGACCCGCT	CCTCCACTTT	CAGGTGTAAT
>889029	CCCTGGGTCT	AAGAAAGAAA	GAGACCCGCT	CCTCCACTTT	CAGGTGTAAT
>2620906		GAAAGAAA	GAGACCCGCT	CCTCCACTTT	CAGGTGTAAT
Consensus	CCCTGGGTCT	AAGAAAGAAA	GAGACCCGCT	CCTCCACTTT	CAGGTGTAAT
>g2804590	TTGCTTCCGC	TAGTCTGAGG	GCAGAGGGAC	CGGTCAAAGA	GGGTGGCACA
>2055371IH	TTGCTTCCGC	TAGTCTGAGG	GCAGAGGGAC	CGGTCAAAGA	GGGTGGCACA
>889029	TTGCTTCCGC	TAGTCTGAGG	GCAGAGGGAC	CGGTCAAAGA	GGGTGGCACA
>2620906	TTGCTTCCGC	TAGTCTGAGG	GCAGAGGGAC	CGGTCAAAGA	GGGTGGCACA
Consensus	TTGCTTCCGC	TAGTCTGAGG	GCAGAGGGAC	CGGTCAAAGA	GGGTGGCACA
>g2804590	GATCGCAGCA	CCTTGAGGGG	CTGCGGGTCT	GAGGGAGGAG	ACACTCAGCT
>2055371IH	GATCGCAGCA	CCTTGAGGGG	CTGCGGGTCT	GAGGGAGGAG	ACACTCAGCT
>889029	GATCGCAGCA	CCTTGAGGGG	CTGCGGGTCT	GAGGGAGGAG	ACACTCAGCT
>2620906	GATCGCAGCA	CCTTGAGGGG	CTGCGGGTCT	GAGGGAGGAG	ACACTCAGCT
Consensus	GATCGCAGCA	CCTTGAGGGG	CTGCGGGTCT	GAGGGAGGAG	ACACTCAGCT
>g2804590	CCTCCCTCTG	AGAAGTCCCA	AGCTGAGAGG	GGAGACCTGC	CCCTTTCCAA
>2055371IH	CCTCCCTCTG	AGAAGTCCCA	AGCTGAGAGG	GGAGACCTGC	CCCTTTCCAA
>889029	CCTCCCTCTG	AGAAGTCCCA	AGCTGAGAGG	GGAGACCTGC	CCCTTTCCAA
>2620906	CCTCCCTCTG	AGAAGTCCCA	AGCTGAGAGG	GGAGACCTGC	CCCTTTCCAA
Consensus	CCTCCCTCTG	AGAAGTCCCA	AGCTGAGAGG	GGAGACCTGC	CCCTTTCCAA
>g2804590	CCCTGGGAAA	CCATCCAGTC	TGAGGGAGGA	GGCCAAACTC	CCAGTGCTGG
>2055371IH	CCCTGGGAAA	CCATCCAGTC	TGAGGGAGGA	GGCCAAACTC	CCAGTGCTGG
>889029	CCCTGGGAAA	CCATCCAGTC	TGAGGGAGGA	GGCCAAACTT	CCAGTGCTGG
>2620906	CCCTGGGAAA	CCATCCAGTC	TGAGGGAGGA	GGCCAAACTC	CCAGTGCTGG
Consensus	CCCTGGGAAA	CCATCCAGTC	TGAGGGAGGA	GGCCAAACTC	CCAGTGCTGG
>g2804590	GGGTCCCTGT	GCAGCCCTCA	AACCCTTCAC	CTTGGTGCAC	CCAGCCACAC
>2055371IH	GGGTCCCTGT	GCAGCCCTCA	AACCCTTCAC	CTTGGTGCAC	CCAGCCACAC
>889029	GGGTCCCTGT	GCA			
>2620906	GGGTCCCTGT	GCAGCCCTCA	AACCCTTC		
>1754901	GGTCCCTGT	GCAGCCCTCA	AACCCTTCAC	CTTGGTGCAC	CCAGCCACAC
Consensus	GGGTCCCTGT	GCAGCCCTCA	AACCCTTCAC	CTTGGTGCAC	CCAGCCACAC
>g2804590	CTGGTGGACA	CAAAGCTCTC	ACATCGATAG	GATCCCATGA	GGATGGTCCC
>2055371IH	CTGGTGGACA	CAAAGCTCTC	ACATCGATAG	GATCCCATGA	GGATGGTCCC
>1754901	CTGGTGGACA	CAAAGCTCTC	ACATCGATAG	GATCCCATGA	GGATGGTCCC
Consensus	CTGGTGGACA	CAAAGCTCTC	ACATCGATAG	GATCCCATGA	GGATGGTCCC

Figure 1-G

>g2804590	CTTCACCTGG	GAGAAAAGTG	ACCCAGTTTA	GGAGCTGGAG	GGGGGTCTTT
>2055371IH	CTTCACCTGG	GAGAAAAGTG	ACCCAGTTTA	GGAGCTGGAG	GGGGGTCTTT
>1754901	CTTCACCTGG	GAGAAAAGTG	ACCCAGTTTA	GGAGCTGGAG	GGGGGTCTTT
Consensus	CTTCACCTGG	GAGAAAAGTG	ACCCAGTTTA	GGAGCTGGAG	GGGGGTCTTT
>g2804590	GTCCCCCACC	CCCAAAGTGC	CCTGAAATAA	ACCTGGAGTG	AGCTGCC
>2055371IH	GTCCCCCACC	CCCAAAGTGC	CCTGAAATAA	ACCTGGAGTG	AGCTGCCCA
>1754901	GTCCCCCACC	CCCAAAGTGC	CCTGAAATAA	ACCTGGAGTG	AGCTGCC
Consensus	GTCCCCCACC	CCCAAAGTGC	CCTGAAATAA	ACCTGGAGTG	AGCTGCCCA

Figure 2

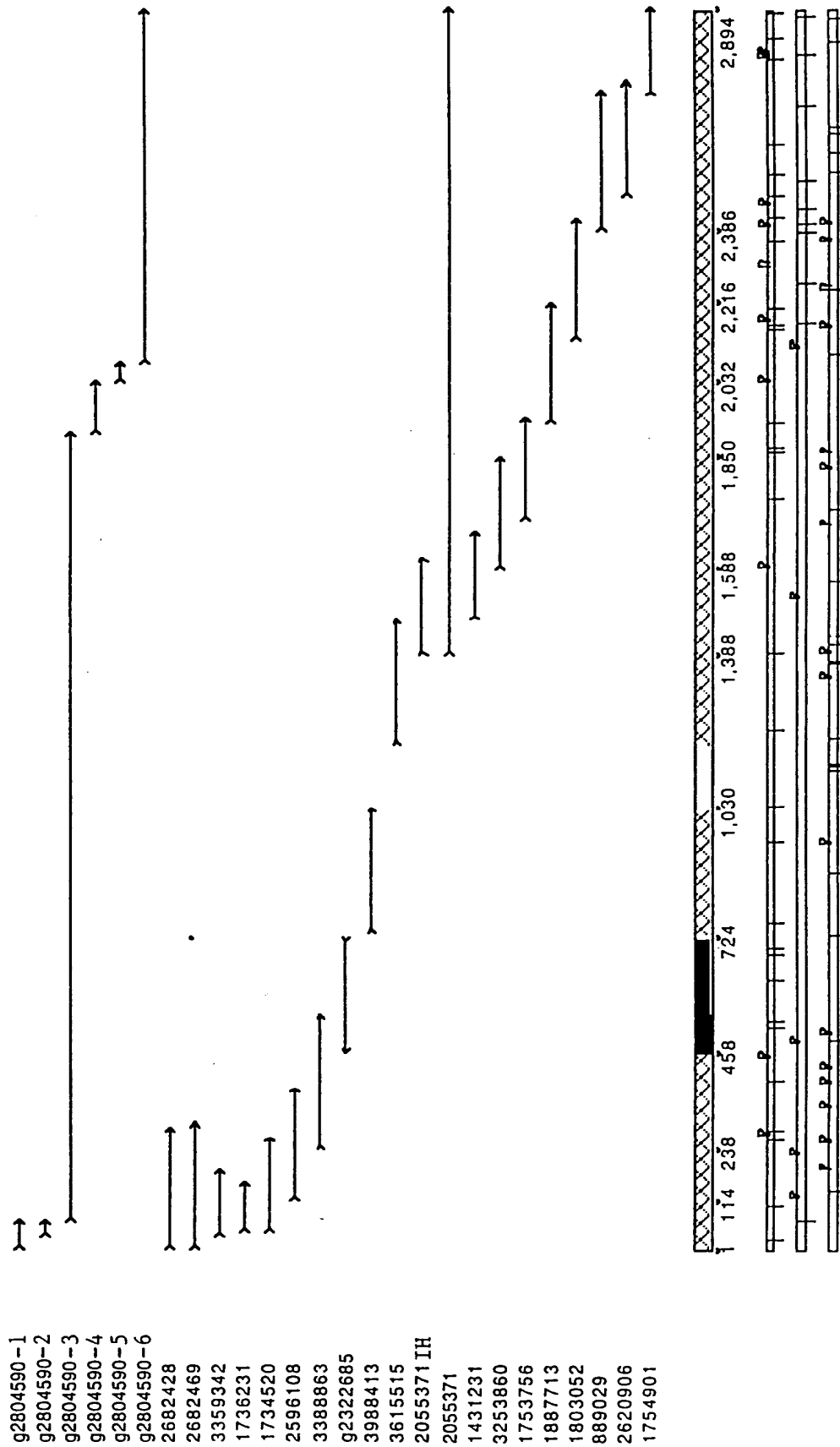
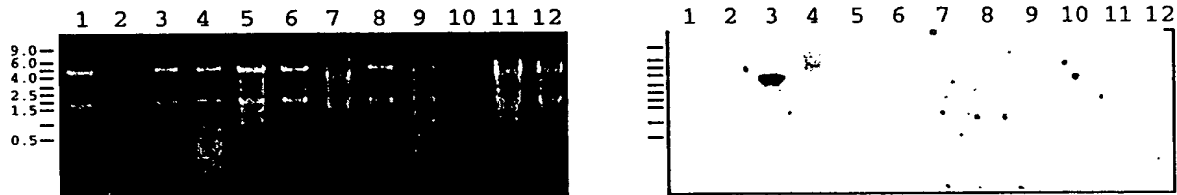


Figure 3



Lane	Tissue
1	Bladder
2	Breast
3	Colon
4	Kidney
5	Liver
6	Lung
7	Muscle
8	Ovary
9	Placenta
10	Prostate
11	Spleen
12	Testis

Figure 4

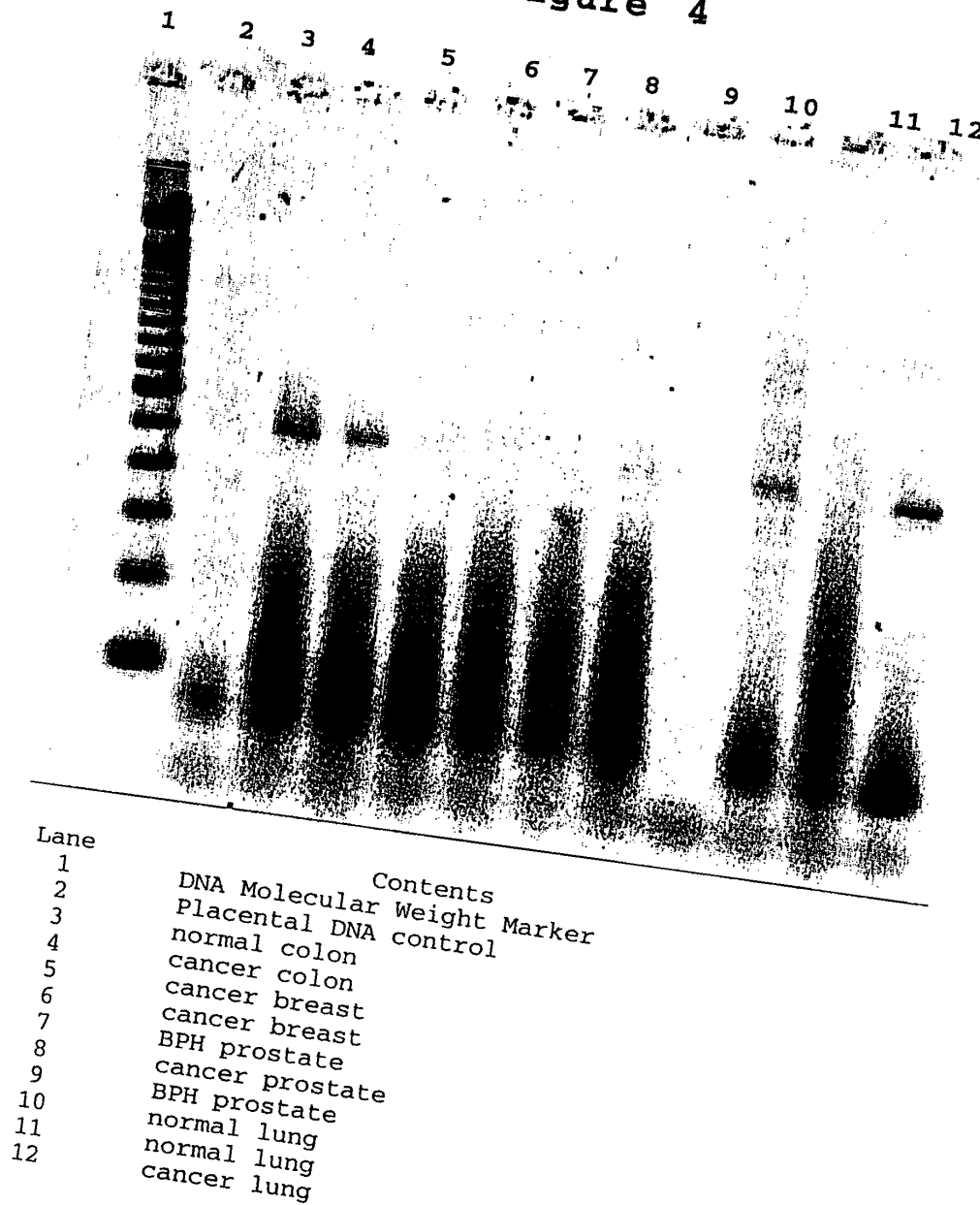
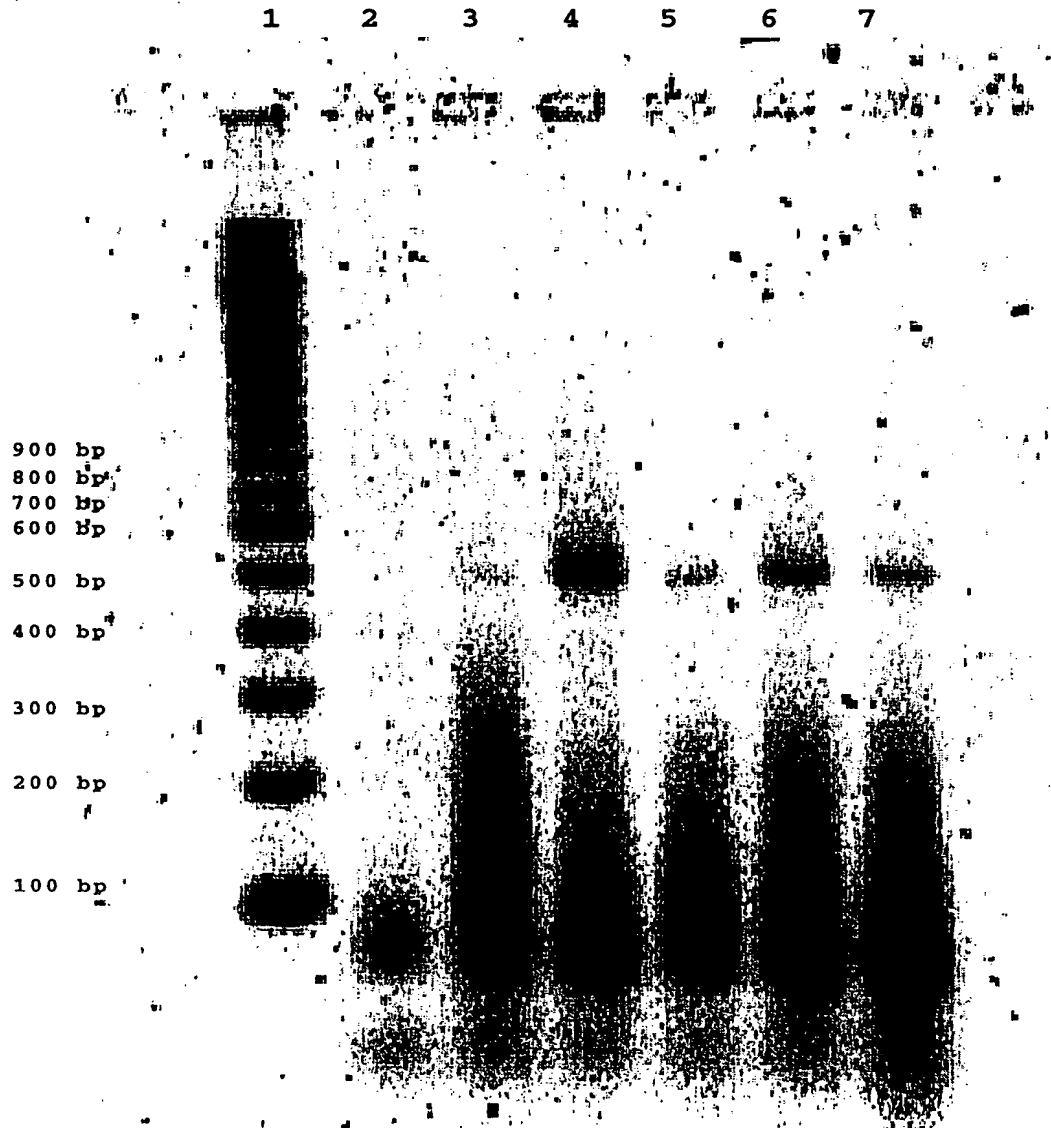
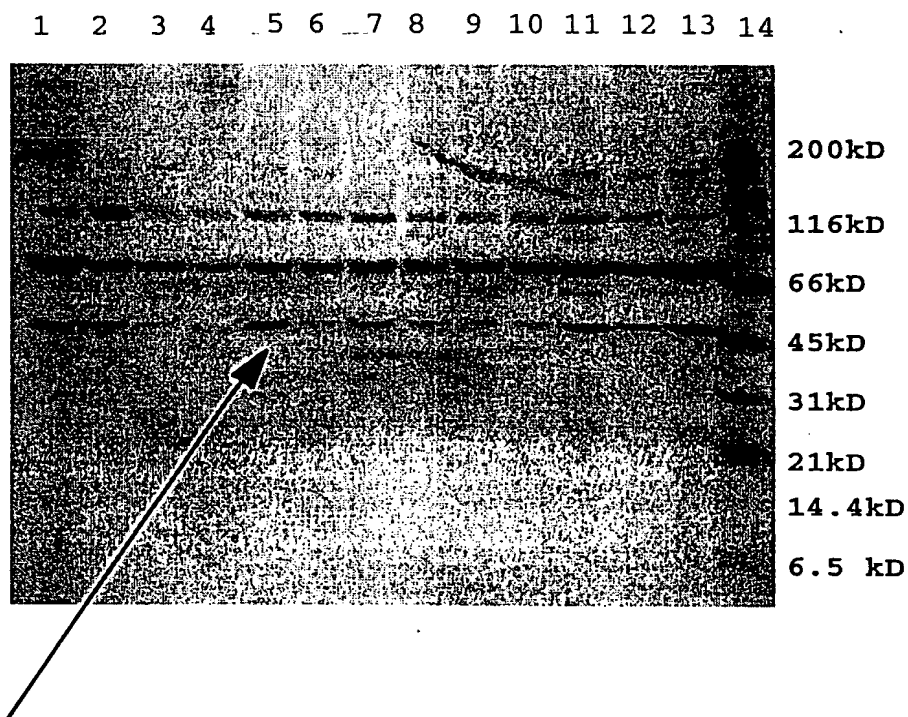


Figure 5



Lane	Contents
1	DNA Molecular Weight Marker (100 bp)
2	placental DNA control
3	normal colon
4	cancer colon
5	cancer colon
6	normal colon
7	cancer colon

Figure 6



Lane	1	Endometrial cancer
Lane	2	Breast cancer
Lane	3	Normal lung
Lane	4	BPH prostate
Lane	5	Ovarian cancer
Lane	6	Normal bladder
Lane	7	Bladder cancer
Lane	8	Normal colon
Lane	9	Normal colon
Lane	10	Normal colon
Lane	11	Colon cancer
Lane	12	Colon cancer
Lane	13	Colon cancer
Lane	14	Markers